

DEPARTMENT OF HUMAN RESOURCES*
CITY AND COUNTY OF HONOLULU

Class Specification 090973
AIR CONDITIONING MECHANIC
BC 10, BU 01

Duties Summary:

Maintains, repairs, overhauls and operates a variety of air conditioning and refrigeration equipment; and performs other related duties as required.

Distinguishing Characteristics:

This is the journey level class in the Air Conditioning Mechanic series. This class differs from that of Air Conditioning Mechanic Helper in that the Air Conditioning Mechanic independently performs skilled work in connection with the maintenance, repair, overhaul and operation of a variety of air conditioning and refrigeration equipment; whereas the Air Conditioning Mechanic Helper assists a journey level Air Conditioning Mechanic in performing routine and supportive tasks which are incidental to skilled air conditioning mechanic work.

This class differs from that of Lead Air Conditioning Mechanic in that the Air Conditioning Mechanic maintains, repairs, overhauls and operates a variety of air conditioning and refrigeration systems and may supervise the work of helpers as required; whereas the Lead Air Conditioning Mechanic supervises and participates in the maintenance, repair and overhaul of air conditioning and refrigeration systems, as well as other mechanical equipment.

Illustrative Examples of Work:

Repairs, overhauls and operates air conditioning and refrigeration systems which include compressors, starters, motors, blowers, fans, pumps, piping, cooling towers, heat exchangers, pressure switches, temperature controls, remote indicating systems and automatic controls; conducts operational tests to obtain optimum performance of the air conditioning systems; periodically inspects all air conditioning and refrigeration machinery such as water towers, air cooled air conditioning systems, walk-in reefers, ice making machinery, water coolers, and cold storage refrigerators; lubricates machinery, adjusts and/or changes belts, checks pressure, cleans and defrosts equipment, removes scale and rust and repaints equipment, replaces motors, controls, fans, filters, compressors and control equipment; occasionally performs oxyacetylene and electric soldering and welding on refrigeration and air conditioning systems; locates and isolates malfunctions, and estimates materials, parts and labor needed to repair equipment; reads plans, specifications, manuals and instructions dealing with air conditioning and refrigeration systems; supervises trades helpers and/or laborers as assigned.

Minimum Qualification Requirements for the Class:

Training and Experience: Experience and/or training of sufficient scope and quality to competently perform the journey level skills and duties of this position.

License Requirement: Possession of an appropriate valid Hawaii State driver's license, as required; a certificate approved by the Environmental Protection Agency (EPA) for the servicing and disposal of refrigerants, as required.

Knowledge of: methods and procedures used in the operation, maintenance and repair of air conditioning and refrigeration systems; servicing requirements, tools, chemicals and testing equipment relating to the operation and maintenance of air conditioning and refrigeration systems; principles of air conditioning and refrigeration; hazards and safety precautions applicable to the work.

Ability to: identify malfunctions and defects and take corrective action; maintain, service and repair air conditioning and refrigeration units; use and maintain tools and equipment pertinent in the trade; read plans and specifications; estimate time, labor and material requirements; work with dexterity and safety; understand and follow oral and written instructions; maintain good working relationships with others; handle weights and loads.

Physical Requirement: Persons seeking appointment to positions in this class must meet the health and physical condition standards deemed necessary and proper for performance of the duties.

Physical Effort Grouping: Heavy

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This is an amendment to the specification for the class, AIR CONDITIONING MECHANIC, which was approved on June 13, 1975.

APPROVED: March 31, 1995

KAREN S. PETERSON
for Director of Human Resources*

*Department of Human Resources effective 7/1/98